

PTO-1449

Application No.

Applicant(s)

09/870,772

Catherwood

Docket Number

Group Art Unit

Filing Date

068354.1482

2115

June 1, 2001

**Information Disclosure Citation
in an Application**

U.S. PATENT DOCUMENTS

		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
DMB	A.	3771146	11/6/73	Cotton et al.	710	260	1/22/73
	B.	3781810	12/25/73	Downing	340	172.5	4/26/72
	C.	3886524	5/27/75	Appelt	710	110	10/18/73
	D.	4025771	5/24/77	Lynch et al.	708	521	3/25/74
	E.	4074353	2/14/78	Woods et al.	710	264	3/24/76
	F.	4090250	5/16/78	Carlson et al.	712	234	9/30/76
	G.	4323981	4/6/82	Nakamura	364	749	10/23/78
	H.	4379338	4/5/83	Nishitani et al.	708	552	11/21/80
	I.	4398244	8/9/83	Chu et al.	364	200	5/7/80
	J.	4408274	10/4/83	Wheatley et al.	364	200	9/29/80
	K.	4451885	5/29/84	Gerson et al.	708	200	3/1/82
	L.	4472788	9/18/84	Yamazaki	364	900	8/27/81
	M.	4481576	11/6/84	Bicknell	364	200	3/19/82
	N.	4488252	12/11/84	Vassar	364	748	2/22/82
DMB	O.	4511990	4/16/85	Hagiwara et al.	364	748	10/15/81

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
DMB	P.	01037424 A	2/1989	JP (w/abstract)	H03M	001/82		X
DMB	Q.	0 554 917 A2	8/11/93	EP	G06F	9/26	X	
DMB	R.	96/11443	4/18/96	WO	G06F	15/78	X	
DMB	S.	0 855 643 A1	07/29/98	EP	G06F	9/30	X	
DMB	T.	0 992 888	12/04/00	EP	G06F	9/32	X	
DMB	U.	0 992 889	12/14/00	EP	G06F	9/32	X	

NON-PATENT DOCUMENTS - DOCUMENT (Including Author, Title, Source, and Pertinent Pages)

DMB	V.	Moon B I et al.: "A 32-bit RISC Microprocessor with DSP Functionality: Rapid Prototyping" IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, Institute of Electronics Information and Comm. Eng. Tokyo, JP, vol. E84-A no. 5, pages 1339-1347, XP001060025 ISSN: 0916-8508					5/2001
DMB	W.	Turley J: "Balancing Conflicting Requirements When Mixing RISC, DSPs" Computer Design, Pennwell Publ. Littleton, Massachusetts, IS, vol. 37, no. 10, pages 46, 48, 50-53, XP000860706 ISSN: 0010-4566					10/1998
DMB	X.	Levy M: "Microprocessor and DSP Technologies Unite for Embedded Applications" EDN Electrical Design News, Cahners Publishing Co., Newtown Massachusetts, US, no. Europe, pages 73-74, 76, 78-80, XP000779113 ISSN: 0012-7515					3/2/1998

EXAMINER

Dennis M. Butler

DATE CONSIDERED

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Docket Number 068354.1482		Group Art Unit 2115		Filing Date June 1, 2001	

U.S. PATENT DOCUMENTS						
	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
DMB	A.	4556938	Parker et al.	364	200	2/22/82
	B.	4626988	George	364	200	3/7/83
	C.	4730248	Watanabe et al.	364	200	8/30/84
	D.	4742479	Kloker et al.	364	746	3/25/85
	E.	4768149	Konopik et al.	364	200	8/29/85
	F.	4779191	Greenblatt	711	2	4/12/85
	G.	4782457	Cline	364	715.04	8/18/86
	H.	4800524	Roesgen	364	900	12/2/87
	I.	4807172	Nukiyama	364	715.08	2/17/87
	J.	4829420	Stahle	364	200	6/29/87
	K.	4829460	Ito	364	715.08	10/14/87
	L.	4839846	Hirose et al.	364	748	3/12/86
	M.	4841468	Miller et al.	708	625	3/20/87
	N.	4872128	Shimizu	364	715.08	2/17/88
	O.	4882701	Ishii	364	900	9/23/88
	P.	4926371	Vassiliadis et al.	708	628	12/28/88
DMB	Q.	4941120	Brown et al.	364	748	4/17/89

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	R.						
	S.						

NON-PATENT DOCUMENTS - DOCUMENT (Including Author, Title, Source, and Pertinent Pages)			
DMB	T.	Intel, Pentium Processor Family Developer's Manual, Volume 3: Architecture and Programming Manual, , Pages 3-1, 3-2, 3-15, 14-1 to 14-30, 18-7, and 25-289 to 25-292	1995
DMB	U.	Intel, Embedded Intel486 Processor Family Developer's Manual, pgs. 2-2, 3-17, 3-37, 4-5, 4-6, 10-1 to 10-12, 12-1 to 12-10	10/1997
DMB	V.	Moore, M "Z80 Family Interrupt Structure". Barleywood (online), retrieved from the internet <URL: http://www.gaby.de/z80/1653.htm>	1997
DMB	W.	PCT Search Report based on PCT/US02/16706, 6 pages	Mailed 9/27/02
DMB	X.	PCT Search Report based on PCT/US02/16705, 7 pages	Mailed 9/9/02
DMB	Y.	PCT Search Report based on PCT/US02/16921, 4 pages	Mailed 10/18/02

EXAMINER <i>Dennis M. Butler</i>	DATE CONSIDERED 5-10-05
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DMB	A.	4943940	7/24/90	New	364	748	9/27/84
	B.	4959776	9/25/90	Deerfield et al.	364	200	12/5/88
	C.	4977533	12/11/90	Miyabayashi et al.	364	726	10/10/89
	D.	4984213	1/8/91	Abdoo et al.	365	230.03	2/21/89
	E.	5007020	4/9/91	Inskeep	364	900	5/7/90
	F.	5012441	4/30/91	Retter	364	900	11/24/86
	G.	5032986	7/16/91	Pathak et al.	364	200	9/22/89
	H.	5034887	7/23/91	Yasui et al.	364	200	7/27/90
	I.	5038310	8/6/91	Akagiri et al.	364	715.04	4/19/90
	J.	5040178	8/13/91	Lindsay et al.	371	21.5	5/12/89
	K.	5056004	10/8/91	Ohde et al.	264	200	10/14/88
	L.	5099445	3/24/92	Studor et al.	364	715.08	12/26/89
	M.	5101484	3/31/92	Kohn	395	375	2/14/89
	N.	5117498	5/26/92	Miller et al.	395	775	9/19/90
	O.	5121431	6/9/92	Wiener	713	174	7/2/90
	P.	5122981	6/16/92	Taniguchi	364	748	3/23/89
	Q.	5155823	10/13/92	Tsue	395	400	4/17/89
	R.	5177373	1/5/93	Nakamura	307	265	9/27/91
	S.	5197023	3/23/93	Nakayama	364	748	10/31/91
	T.	5197140	3/23/93	Balmer	395	400	11/17/89
	U.	5206940	4/27/93	Murakami et al.	395	400	8/27/91
	V.	5212662	5/18/93	Cocanougher et al.	364	748	9/11/90
✓	W.	5239654	8/24/93	Ing-Simmons et al.	395	800	11/17/89
DMB	X.	5276634	1/4/94	Suzuki et al.	364	748	8/20/91

FOREIGN PATENT DOCUMENTS

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							YES	NO
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NON-PATENT DOCUMENTS - DOCUMENT (Including Author, Title, Source, and Pertinent Pages)

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		09/870,772		Catherwood	
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		068354.1482		2115	June 1, 2001

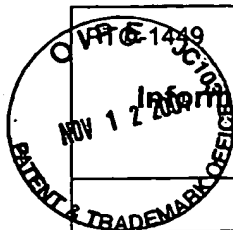
U.S. PATENT DOCUMENTS							
		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
DMB	A.	5282153	1/25/94	Bartkowiak et al.	364	716	4/6/93
	B.	5327543	7/5/94	Miura et al.	395	375	4/23/90
	C.	5327566	7/5/94	Forsyth	395	775	7/12/91
	D.	5375080	12/20/94	Davies	364	736.5	12/18/92
	E.	5379240	1/3/95	Byrne	364	715.08	3/8/93
	F.	5392435	2/21/95	Masui et al.	395	725	9/29/93
	G.	5418976	5/23/95	Iida	395	800	12/21/92
	H.	5422805	6/6/95	McIntyre et al.	708	625	10/21/92
	I.	5432943	7/11/95	Mitsubishi	395	725	4/19/93
	J.	5448703	9/5/95	Amini et al.	395	290	5/28/93
	K.	5448706	9/5/95	Fleming et al.	395	421.07	5/13/92
	L.	5463749	10/31/95	Wertheizer et al.	395	437	1/13/93
	M.	5469377	11/21/95	Amano	364	748	8/18/93
	N.	5471600	11/28/95	Nakamoto	395	405	2/22/95
	O.	5497340	3/5/96	Uramoto et al.	364	745	6/14/93
	P.	5499380	3/12/96	Iwata et al.	395	800	5/18/04
	Q.	5504916	4/2/96	Murakami et al.	395	800	9/28/93
	R.	5517436	5/14/96	Andreas et al.	364	736	6/7/94
	S.	5525874	6/11/96	Mallarapu et al.	318	254	1/30/95
	T.	5548544	8/20/96	Matheny et al.	364	745	10/14/94
	U.	5561619	10/1/96	Watanabe et al.	364	736.5	9/20/94
	V.	5564028	10/8/96	Swoboda et al.	395	375	1/11/94
DMB	W.	5568380	10/22/96	Broadnax et al.	364	184	8/30/93

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		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
DMB	A.	5568412	10/22/96	Han et al.	364	748	11/29/94
	B.	5596760	1/21/97	Ueda	395	588	12/9/92
	C.	5600813	2/4/97	Nakagawa et al.	395	421.07	2/9/93
	D.	5611061	3/11/97	Yasuda	395	591	11/24/93
	E.	5619711	4/8/97	Anderson	395	800	6/29/94
	F.	5638524	6/10/97	Kiuchi et al.	395	375	5/17/95
	G.	5642516	6/24/97	Hedayat et al.	395	733	10/14/94
	H.	5649146	7/15/97	Riou	395	421.07	3/30/95
	I.	5651121	7/22/97	Davies	395	376	12/18/92
	J.	5657484	8/12/97	Scarrá	395	561	12/27/94
	K.	5659700	8/19/97	Chen et al.	395	421.07	2/14/95
	L.	5682339	10/28/97	Tam	364	715.08	5/26/95
	M.	5689693	11/18/97	White	395	565	4/26/94
	N.	5694350	12/2/97	Wolrich et al.	364	788	6/30/95
	O.	5696711	12/9/97	Makineni	364	748.03	12/22/95
	P.	5706460	1/6/98	Craig et al.	395	380	3/19/91
	Q.	5706466	1/6/98	Dockser	395	452	1/13/95
	R.	5715470	2/3/98	Asano et al.	395	800	9/27/93
	S.	5737570	4/7/98	Koch	395	872	4/28/97
	T.	5740095	4/14/98	Parant	364	760	7/12/95
	U.	5740419	4/14/98	Potter	395	588	7/22/96
	V.	5740451	4/14/98	Muraki et al.	395	733	10/28/96
DMB	W.	5748516	5/5/98	Goddard et al.	364	748.03	9/26/95

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							YES	NO
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	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
DmB A.	5748970	5/5/98	Miyaji et al.	395	733	4/30/96
B.	5764555	6/9/98	McPherson et al.	364	748.03	3/13/96
C.	5765216	6/9/98	Weng et al.	711	214	6/17/96
D.	5765218	6/9/98	Ozawa et al.	711	219	3/10/95
E.	5774711	6/30/98	Henry et al.	395	591	7/26/96
F.	5778416	7/7/98	Harrison et al.	711	5	4/3/97
G.	5790443	8/4/98	Shen et al.	364	746	3/19/96
H.	5808926	9/15/98	Gorshtein et al.	364	748.11	9/24/96
I.	5812439	9/22/98	Hansen	364	748.03	10/10/95
J.	5812868	9/22/98	Moyer et al.	395	800.23	9/16/96
K.	5825730	10/20/98	Nishida et al.	369	44.32	3/8/96
L.	5826072	10/20/98	Knapp et al.	395	567	11/13/95
M.	5826096	10/20/98	Baxter	395	800.24	5/19/95
N.	5828875	10/27/98	Halvarsson et al.	395	588	5/29/97
O.	5862065	1/19/99	Muthusamy	364	736.5	2/13/97
P.	5867726	2/2/99	Ohsuga et al.	395	800.32	4/10/96
Q.	5875342	2/23/99	Temple	395	733	6/3/97
R.	5880984	3/9/99	Burchfiel et al.	364	748.07	1/13/97
S.	5892697	4/6/99	Brakefield	364	748.02	12/19/95
T.	5892699	4/6/99	Duncan et al.	364	760.4	9/16/97
U.	5894428	4/13/99	Harada	364	724.03	7/28/97
V.	5900683	5/4/99	Rinehart et al.	307	126	12/23/97
DmB W.	5909385	6/1/99	Nishiyama et al.	364	760.03	4/1/97

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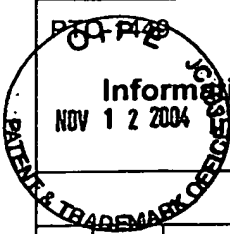
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OMB	A.	5917741	6/29/99	Ng	364	748.03	8/29/96
	B.	5918252	6/29/99	Chen et al.	711	217	11/25/96
	C.	5930159	7/27/99	Wong	364	745.01	10/17/96
	D.	5930503	7/27/99	Drees	395	651	12/29/95
	E.	5936870	8/10/99	Im, Jin Hyeock	364	745.03	8/15/97
	F.	5937199	8/10/99	Temple	395	335	6/3/97
	G.	5938759	8/17/99	Kamijo	712	209	12/19/97
	H.	5941940	8/24/99	Prasad et al.	708	523	6/30/97
	I.	5943249	8/24/99	Handlogten	364	748.02	4/25/97
	J.	5944816	8/31/99	Dutton et al.	712	215	5/17/96
	K.	5951627	9/14/99	Kiamilev et al.	708	404	11/14/96
	L.	5951679	9/14/99	Anderson, et al.	712	241	10/31/97
	M.	5978825	11/2/99	Divine et al.	708	525	11/14/97
	N.	5983333	11/9/99	Kolagotia et al.	711	219	8/27/97
	O.	5991787	11/23/99	Abel et al.	708	400	12/31/97
	P.	5991868	11/23/99	Kamiyama et al.	712	32	5/19/94
	Q.	5996067	11/30/99	White	712	224	10/28/97
	R.	6009454	12/28/99	Dummernuth	709	108	11/10/97
	S.	6014723	1/11/00	Tremblay et al.	711	1	1/23/97
	T.	6018757	1/25/00	Wong	708	525	8/8/96
	U.	6026489	2/15/00	Wachi et al.	712	241	4/26/95
✓	V.	6044392	3/28/00	Anderson et al.	708	551	8/4/97
OMB	W.	6044434	3/28/00	Oliver	711	110	9/24/97
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DmB	A.	6049858	4/11/00	Kolagotia et al.	711	217	8/27/97
	B.	6058409	5/2/00	Kozaki et al.	708	409	8/5/97
	C.	6058410	5/2/00	Sharangpani	708	551	12/2/96
	D.	6058464	5/2/00	Taylor	711	217	7/9/96
	E.	6061711	5/9/00	Song et al.	709	108	8/19/96
	F.	6061780	5/9/00	Shippy et al.	712	204	1/23/98
	G.	6061783	5/9/00	Hariman	712	224	11/13/96
	H.	6076154	6/13/00	Van Eijndhoven et al	712	24	1/16/98
	I.	6084880	7/4/00	Bailey et al.	370	395	6/30/97
	J.	6101521	8/8/00	Kosiec	708	550	3/25/98
	K.	6101599	8/8/00	Wright et al.	712	228	6/29/98
	L.	6115732	9/5/00	Oberman et al.	708	625	5/8/98
	M.	6128728	10/3/00	Dowling	712	228	12/12/97
	N.	6134574	10/17/00	Oberman et al.	708	551	5/8/98
	O.	6144980	11/7/00	Oberman	708	627	1/28/98
	P.	6145049	11/7/00	Wong	710	267	12/29/97
	Q.	6181151	1/30/01	Wasson	324	765	10/28/98
	R.	6205467	3/20/01	Lambrecht et al.	709	108	11/14/95
	S.	6209086	3/27/01	Chi et al.	712	244	11/10/98
	T.	6243786	6/5/01	Huang et al.	710	262	12/23/98
	U.	6243804	6/5/01	Cheng	712	228	7/22/98
	V.	6260162	7/10/01	Typaldos et al.	714	55	10/31/98
DmB	W.	6292866	9/18/01	Zalki et al.	710	264	3/30/99
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	X.						
	Y.						
NON-PATENT DOCUMENTS - DOCUMENT (Including Author, Title, Source, and Pertinent Pages)							
	Z.						
EXAMINER <i>Dennis M. Butler</i>					DATE CONSIDERED 5-10-05		
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PTO-1449		Application No. 09/870,772		Applicant(s) Catherwood	
Information Disclosure Citation in an Application		Docket Number 068354.1482		Group Art Unit 2115	Filing Date June 1, 2001

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U.S. PATENT DOCUMENTS							
		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
		6295574	9/25/01	MacDonald	710	261	1/20/00
	B.	6315200	11/13/01	Silverbrook et al.	235	454	7/10/98
	C.	6356970	3/12/02	Killian et al.	710	269	5/28/99
	D.	6377619	4/23/02	Denk et al.	375	232	9/26/97
	E.	6397318	5/28/02	Peh	711	220	4/2/98
	F.	6412081	6/25/02	Koscal et al.	714	34	1/15/99
	G.	6487654	11/26/02	Dowling	712	244	12/12/01
	H.	2002/0194466	12/19/02	Catherwood et al.	712	241	6/1/01
	I.	6523108	2/18/03	James et al.	712	224	11/23/99
	J.	6564238	5/13/03	Kim et al.	708	513	2/2/00
	K.	2003/0093656	5/15/03	Masse et al.	712	241	10/1/99
	L.	6633970	10/14/03	Clift et al.	712	217	12/28/99
	M.	6658578	12/2/03	Laurenti et al.	713	324	10/1/99
	N.	6681280	1/20/04	Miyake et al.	710	261	10/4/00
	O.	5701493	12/23/97	Jaggar	395	734	8/3/95
	P.	5386563	1/31/95	Thomas, deceased	395	650	10/13/92
	Q.	6694398	2/17/04	Zhao et al.	710	260	4/30/01
	R.	5623646	4/22/97	Clarke	395	560	9/12/95
	S.	4709324	11/24/87	Kloker	364	200	11/27/85
	T.	5561384	10/1/96	Reents et al.	327	108	11/8/95
✓	U.	5450027	9/12/95	Gabara	326	98	4/8/94
DMP	V.	4945507	7/31/90	Ishida et al.	708	530	6/12/89
	W.						

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		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
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NON-PATENT DOCUMENTS - DOCUMENT (Including Author, Title, Source, and Pertinent Pages)							
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EXAMINER <div style="font-family: cursive; font-size: 1.2em; margin-top: 10px;">Dennis M. Butler</div>	DATE CONSIDERED <div style="font-family: cursive; font-size: 1.2em; margin-top: 10px;">5-10-05</div>
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PTO-1449

Application No.

Applicant(s)

09/870,772

Catherwood

Docket Number

Group Art Unit

Filing Date

068354.1482

2115

June 1, 2001

U.S. PATENT DOCUMENTS

	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
DMB A.	3930253	12/30/75	Maida	340	347	1/24/74
B.						
C.						
D.						
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FOREIGN PATENT DOCUMENTS

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						YES	NO
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		09/870,772		Catherwood	
		Docket Number		Group Art Unit	Filing Date
		068354.1482		2115	June 1, 2001

U.S. PATENT DOCUMENTS							
		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
OMB	A.	5974549	10/26/99	Golan	713	200	3/27/97
OMB	B.	6055619	4/25/00	North et al.	713	36	2/7/97
OMB	C.	6282637	8/28/01	Chan et al.	712	223	12/2/98
OMB	D.	6728856	4/27/04	Grosbach et al.	711	202	6/1/01
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							YES NO
	P.						
	Q.						
	R.						

NON-PATENT DOCUMENTS		
	DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
OMB	S. SPARC, International, Inc., "The SPARC Architecture Manual", Version 8, pp 1-303	1992
	T.	
	U.	

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							YES	NO
	P.							
	Q.							
	R.							

NON-PATENT DOCUMENTS			
		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
DmB	S.	Weaver, et al., SPARC International, Inc. "The SPARC Architecture Manual", Version 9, pp. xiv, 137, 146-147, 200-204, 221-222, 234-236, 299	1994-2000
DmB	T.	Free On-Line Dictionary of Computing (FOLDOC). http://wombat.doc.ic.ac.uk/foldoc/ Search term: program counter	1995
	U.		

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